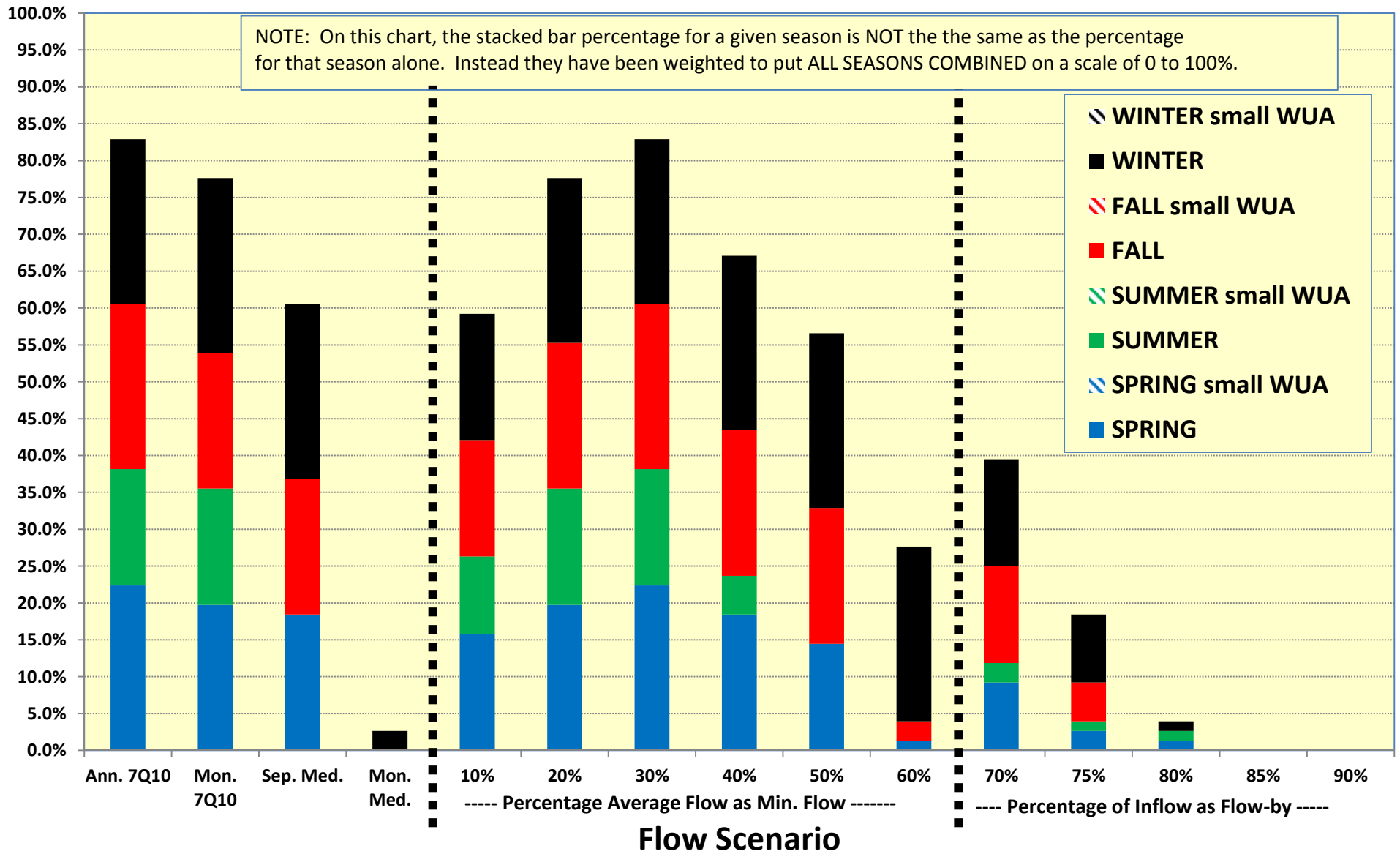


# West Fork Tuckasegee R. - Bypassed Reach below Thorpe Dam - % (weighted equally for each season) of 19 Species/Life Stages with > 120% of Unregulated Index B WUA Value



W.F. TUCKASEGEE R., BEL THORPE DAM If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **SPRING**

**April - June**

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	1	1	1		1	1	1	1	1		1				
	PLECO	1	1	1			1	1	1	1		1				
	NHSJ	1	1	1			1	1	1	1						
	RBTF	1				1	1	1								
	BNDJ	1	1			1	1	1								
	BNDF	1	1	1		1	1	1	1	1	1	1				
	BNDS	1	1	1		1	1	1	1	1		1	1	1		
	BRTJ	1	1	1		1	1	1	1	1		1				
	BRTF	1	1	1		1	1	1	1	1						
	LNDX	1	1	1				1	1	1						
	CRCA	1	1	1		1	1	1	1			1				
	CRCY	1				1	1	1								
Deep	TRIC	1	1	1		1	1	1	1	1						
	MTSX															
	NHSA	1	1	1				1	1							
	RBTA	1	1	1		1	1	1	1	1		1	1			
	RBTS															
	BRTA	1	1	1		1	1	1	1							
	BRTS	1	1	1		1	1	1	1	1						
Total out of 19		17	15	14	0	12	15	17	14	11	1	7	2	1	0	0
total > 1000 WUA		17	15	14	0	12	15	17	14	11	1	7	2	1	0	0
total < 1000 WUA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total out of 19		17	15	14	0	12	15	17	14	11	1	7	2	1	0	0
% for just this season		89.5%	78.9%	73.7%	0.0%	63.2%	78.9%	89.5%	73.7%	57.9%	5.3%	36.8%	10.5%	5.3%	0.0%	0.0%
% weighted equally for each season		22.4%	19.7%	18.4%	0.0%	15.8%	19.7%	22.4%	18.4%	14.5%	1.3%	9.2%	2.6%	1.3%	0.0%	0.0%
% > 1000 WUA		22.4%	19.7%	18.4%	0.0%	15.8%	19.7%	22.4%	18.4%	14.5%	1.3%	9.2%	2.6%	1.3%	0.0%	0.0%
% < 1000 WUA		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
8999
4718
2408
1898
4857
3078
1890
7368
2564
11131
2835
1548
10114
28602
1967
13282
2668
6388
3828

W.F. TUCKASEGEE R., BEL THORPE DAM Table shows percentage of unregulated Index B value achieved by flow scenario

Season **SPRING**

April - June

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	159.0%	146.1%	130.5%	110.9%	159.1%	170.1%	160.0%	142.6%	126.9%	116.8%	124.1%	119.5%	115.1%	111.0%	107.1%
	PLECO	154.3%	147.0%	134.9%	111.1%	106.7%	139.8%	154.2%	144.5%	131.5%	119.1%	122.8%	119.0%	115.1%	111.1%	107.2%
	NHSJ	143.6%	136.0%	124.9%	107.5%	89.9%	140.5%	143.8%	133.5%	122.1%	112.6%	118.3%	115.0%	111.7%	108.5%	105.5%
	RBTF	142.3%	119.5%	113.6%	110.0%	294.0%	207.9%	145.6%	115.8%	113.6%	112.1%	114.4%	110.8%	107.9%	105.5%	103.5%
	BNDJ	131.6%	121.9%	115.8%	108.7%	134.3%	144.5%	132.7%	119.9%	114.8%	111.3%	113.2%	110.6%	108.2%	106.0%	103.9%
	BNDF	150.0%	136.1%	125.7%	115.6%	251.4%	192.1%	152.0%	133.3%	124.4%	121.2%	121.0%	116.9%	113.0%	109.5%	106.2%
	BNDS	223.1%	174.4%	135.1%	113.0%	374.6%	319.8%	228.1%	163.2%	128.3%	115.7%	142.8%	132.9%	124.4%	116.9%	110.5%
	BRTJ	155.4%	140.0%	124.8%	108.1%	156.3%	174.0%	156.8%	136.2%	121.4%	112.4%	121.8%	117.4%	113.4%	109.6%	106.2%
	BRTF	146.6%	135.5%	123.4%	105.3%	129.8%	152.9%	147.5%	132.7%	120.2%	110.6%	118.2%	114.8%	111.5%	108.4%	105.4%
	LNDX	124.8%	128.6%	125.9%	112.8%	73.1%	109.1%	124.2%	129.0%	124.3%	117.8%	113.5%	111.8%	109.7%	107.5%	105.1%
	CRCA	152.5%	137.9%	122.2%	106.8%	156.0%	171.1%	153.7%	134.1%	118.8%	110.4%	120.3%	116.2%	112.4%	108.9%	105.6%
	CRCY	128.5%	116.5%	111.7%	111.7%	249.6%	176.1%	130.5%	114.6%	112.3%	115.3%	111.2%	108.8%	106.7%	104.8%	103.2%
Deep	TRIC	144.9%	140.0%	128.4%	110.5%	120.1%	135.9%	144.8%	138.1%	125.3%	116.2%	119.7%	116.4%	113.1%	109.6%	106.3%
	MTSX	94.1%	96.8%	99.2%	102.7%	71.5%	86.8%	93.7%	97.4%	99.9%	102.2%	98.3%	98.8%	99.1%	99.4%	99.7%
	NHSA	123.4%	125.4%	121.3%	108.8%	59.1%	102.7%	122.8%	125.3%	119.6%	113.6%	111.0%	109.6%	107.9%	106.1%	104.1%
	RBTA	161.8%	149.5%	129.5%	109.1%	137.6%	161.2%	162.2%	145.6%	125.0%	113.7%	125.1%	120.3%	115.8%	111.4%	107.3%
	RBTS	94.9%	108.4%	117.7%	113.7%	27.6%	75.1%	93.6%	111.6%	119.0%	119.2%	100.5%	101.3%	101.6%	101.6%	101.4%
	BRTA	143.0%	133.1%	122.1%	107.8%	126.4%	147.0%	143.7%	130.6%	119.6%	112.2%	117.5%	114.2%	111.0%	108.0%	105.2%
	BRTS	129.2%	127.3%	121.5%	110.2%	100.1%	123.0%	129.1%	126.3%	120.0%	114.6%	114.1%	111.9%	109.5%	107.2%	104.8%
AVERAGE		142.3%	132.6%	122.5%	109.7%	148.3%	154.2%	143.1%	130.2%	120.4%	114.0%	117.3%	114.0%	110.9%	108.0%	105.2%
MEDIAN		143.6%	135.5%	123.4%	110.0%	129.8%	147.0%	144.8%	132.7%	120.2%	113.7%	118.2%	114.8%	111.5%	108.4%	105.4%
MINIMUM		94.1%	96.8%	99.2%	102.7%	27.6%	75.1%	93.6%	97.4%	99.9%	102.2%	98.3%	98.8%	99.1%	99.4%	99.7%
MAXIMUM		223.1%	174.4%	135.1%	115.6%	374.6%	319.8%	228.1%	163.2%	131.5%	121.2%	142.8%	132.9%	124.4%	116.9%	110.5%

W.F. TUCKASEGEE R., BEL THORPE DAM If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **SUMMER**

**July - September**

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	1	1			1	1	1	1							
	PLECO	1	1					1	1							
	NHSJ	1	1				1	1								
	RBTF	1	1			1	1	1								
	BNDJ					1	1									
	BNDF	1	1			1	1	1								
	BNDS	1	1			1	1	1	1			1	1	1		
	BRTJ	1	1			1	1	1								
	BRTF	1	1				1	1								
	LNDX															
	CRCA	1	1			1	1	1								
	CRCY					1	1									
Deep	TRIC	1	1					1								
	MTSX															
	NHSA															
	RBTA	1	1				1	1	1			1				
	RBTS															
	BRTA	1	1				1	1								
	BRTS															
Total out of 19		12	12	0	0	8	12	12	4	0	0	2	1	1	0	0
total > 1000 WUA		12	12	0	0	8	12	12	4	0	0	2	1	1	0	0
total < 1000 WUA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total out of 19		12	12	0	0	8	12	12	4	0	0	2	1	1	0	0
% for just this season		63.2%	63.2%	0.0%	0.0%	42.1%	63.2%	63.2%	21.1%	0.0%	0.0%	10.5%	5.3%	5.3%	0.0%	0.0%
% weighted equally for each season		15.8%	15.8%	0.0%	0.0%	10.5%	15.8%	15.8%	5.3%	0.0%	0.0%	2.6%	1.3%	1.3%	0.0%	0.0%
% > 1000 WUA		15.8%	15.8%	0.0%	0.0%	10.5%	15.8%	15.8%	5.3%	0.0%	0.0%	2.6%	1.3%	1.3%	0.0%	0.0%
% < 1000 WUA		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
10757
5678
2774
2092
5381
3625
2424
8589
2927
12784
3265
1695
11885
28393
2204
15903
2849
7291
4340

W.F. TUCKASEGEE R., BEL THORPE DAM Table shows percentage of unregulated Index B value achieved by flow scenario

Season **SUMMER**

July - September

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	133.0%	131.4%	112.2%	111.1%	133.1%	142.3%	133.8%	120.3%	109.9%	104.4%	119.7%	116.2%	112.8%	109.4%	106.2%
	PLECO	128.2%	127.2%	114.4%	112.8%	88.7%	116.2%	128.2%	120.8%	112.2%	105.6%	115.0%	113.2%	111.0%	108.6%	105.9%
	NHSJ	124.7%	123.7%	110.7%	109.5%	78.0%	122.0%	124.8%	116.7%	108.8%	103.5%	114.2%	112.0%	109.6%	107.2%	104.9%
	RBTF	129.1%	125.1%	104.3%	104.5%	266.7%	188.6%	132.1%	105.9%	104.3%	103.4%	119.3%	114.1%	110.1%	106.8%	104.1%
	BNDJ	118.8%	117.2%	105.8%	105.5%	121.2%	130.4%	119.8%	108.8%	105.1%	103.1%	111.6%	109.3%	107.2%	105.2%	103.3%
	BNDF	127.4%	125.5%	108.7%	108.9%	213.5%	163.1%	129.0%	113.9%	107.9%	106.2%	118.2%	114.3%	110.7%	107.6%	104.7%
	BNDS	174.0%	167.8%	112.5%	111.6%	292.1%	249.3%	177.9%	130.1%	108.5%	102.0%	144.9%	134.9%	126.2%	118.4%	111.5%
	BRTJ	133.3%	131.2%	110.1%	109.0%	134.1%	149.2%	134.5%	117.9%	107.9%	102.8%	119.8%	116.0%	112.5%	109.1%	105.9%
	BRTF	128.4%	126.8%	110.6%	109.2%	113.7%	134.0%	129.2%	117.0%	108.4%	102.9%	116.5%	113.6%	110.7%	107.9%	105.2%
	LNDX	108.7%	109.4%	110.0%	108.9%	63.7%	95.0%	108.2%	112.3%	108.9%	105.2%	104.4%	104.4%	104.1%	103.4%	102.5%
	CRCA	132.4%	130.4%	109.2%	108.4%	135.4%	148.6%	133.5%	117.6%	107.0%	102.3%	119.2%	115.6%	112.1%	108.8%	105.6%
	CRCY	117.3%	115.5%	103.0%	104.2%	228.0%	160.8%	119.2%	105.1%	103.5%	105.4%	112.5%	109.2%	106.5%	104.3%	102.5%
Deep	TRIC	123.3%	122.8%	111.6%	110.5%	102.2%	115.6%	123.2%	118.2%	109.5%	104.5%	112.9%	111.3%	109.4%	107.2%	104.9%
	MTSX	94.7%	95.2%	99.4%	99.7%	72.1%	87.4%	94.4%	97.9%	99.9%	101.4%	96.6%	97.3%	97.9%	98.5%	99.0%
	NHSA	110.2%	110.6%	109.0%	108.1%	52.7%	91.7%	109.6%	111.9%	107.8%	104.4%	104.3%	104.4%	104.1%	103.4%	102.5%
	RBTA	135.1%	133.8%	112.1%	110.9%	114.9%	134.6%	135.5%	122.8%	109.2%	103.0%	120.2%	116.9%	113.5%	110.0%	106.6%
	RBTS	88.8%	90.9%	108.1%	107.9%	25.8%	70.3%	87.6%	103.5%	109.1%	108.9%	91.5%	93.8%	95.6%	97.2%	98.4%
	BRTA	125.3%	123.9%	109.2%	108.4%	110.7%	128.8%	125.9%	115.2%	107.5%	103.3%	114.8%	112.3%	109.7%	107.2%	104.7%
	BRTS	114.0%	113.9%	108.4%	107.8%	88.2%	108.5%	113.9%	111.8%	107.4%	104.4%	108.2%	107.2%	105.9%	104.6%	103.1%
AVERAGE		123.5%	122.2%	108.9%	108.3%	128.1%	133.5%	124.2%	114.1%	107.5%	104.0%	113.9%	111.4%	108.9%	106.6%	104.3%
MEDIAN		125.3%	123.9%	109.2%	108.9%	113.7%	130.4%	125.9%	115.2%	107.9%	103.5%	114.8%	112.3%	109.7%	107.2%	104.7%
MINIMUM		88.8%	90.9%	99.4%	99.7%	25.8%	70.3%	87.6%	97.9%	99.9%	101.4%	91.5%	93.8%	95.6%	97.2%	98.4%
MAXIMUM		174.0%	167.8%	114.4%	112.8%	292.1%	249.3%	177.9%	130.1%	112.2%	108.9%	144.9%	134.9%	126.2%	118.4%	111.5%

W.F. TUCKASEGEE R., BEL THORPE DAM If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **FALL**

**Oct & Nov**

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	1	1	1		1	1	1	1	1		1	1			
	PLECO	1	1	1			1	1	1	1	1	1	1			
	NHSJ	1	1	1			1	1	1	1		1				
	RBTF	1				1	1	1								
	BNDJ	1				1	1	1	1							
	BNDF	1	1	1		1	1	1	1	1	1	1				
	BNDS	1	1	1		1	1	1	1	1		1	1			
	BRTJ	1	1	1		1	1	1	1	1		1				
	BRTF	1	1	1		1	1	1	1	1		1				
	LNDX	1	1	1				1	1	1						
	CRCA	1	1	1		1	1	1	1	1		1				
	CRCY	1				1	1	1								
Deep	TRIC	1	1	1		1	1	1	1	1		1				
	MTSX															
	NHSA	1	1	1				1	1	1						
	RBTA	1	1	1		1	1	1	1	1		1	1			
	RBTS															
	BRTA	1	1	1		1	1	1	1	1						
	BRTS	1	1	1			1	1	1	1						
Total out of 19		17	14	14	0	12	15	17	15	14	2	10	4	0	0	0
total > 1000 WUA		17	14	14	0	12	15	17	15	14	2	10	4	0	0	0
total < 1000 WUA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total out of 19		17	14	14	0	12	15	17	15	14	2	10	4	0	0	0
% for just this season		89.5%	73.7%	73.7%	0.0%	63.2%	78.9%	89.5%	78.9%	73.7%	10.5%	52.6%	21.1%	0.0%	0.0%	0.0%
% weighted equally for each season		22.4%	18.4%	18.4%	0.0%	15.8%	19.7%	22.4%	19.7%	18.4%	2.6%	13.2%	5.3%	0.0%	0.0%	0.0%
% > 1000 WUA		22.4%	18.4%	18.4%	0.0%	15.8%	19.7%	22.4%	19.7%	18.4%	2.6%	13.2%	5.3%	0.0%	0.0%	0.0%
% < 1000 WUA		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
8569
4428
2301
1905
4817
3032
1799
7075
2434
10909
2728
1554
9683
29148
1911
12608
2726
6167
3745

W.F. TUCKASEGEE R., BEL THORPE DAM Table shows percentage of unregulated Index B value achieved by flow scenario

Season **FALL**

October & November

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	167.0%	142.7%	136.1%	110.7%	167.1%	178.6%	168.0%	149.8%	131.7%	119.2%	126.3%	121.1%	116.3%	111.7%	107.6%
	PLECO	164.4%	147.3%	142.9%	111.7%	113.7%	148.9%	164.3%	154.0%	138.6%	123.1%	129.4%	124.0%	118.7%	113.5%	108.7%
	NHSJ	150.3%	134.6%	130.0%	108.0%	94.1%	147.1%	150.5%	139.7%	126.5%	114.9%	121.3%	117.1%	113.1%	109.3%	105.9%
	RBTF	141.7%	115.8%	113.1%	108.1%	292.9%	207.1%	145.0%	115.4%	113.0%	111.3%	110.3%	108.5%	106.7%	105.0%	103.5%
	BNDJ	132.7%	119.1%	116.5%	107.5%	135.4%	145.7%	133.8%	120.9%	115.3%	111.1%	112.3%	110.0%	107.9%	105.8%	103.9%
	BNDF	152.3%	132.1%	127.0%	113.1%	255.2%	195.0%	154.3%	135.3%	125.5%	121.7%	120.5%	117.2%	113.8%	110.5%	107.0%
	BNDS	234.4%	158.4%	139.7%	112.4%	393.6%	336.0%	239.7%	171.5%	131.2%	115.8%	134.5%	125.9%	118.7%	112.8%	107.9%
	BRTJ	161.8%	135.5%	129.1%	108.1%	162.8%	181.2%	163.3%	141.8%	124.9%	113.9%	121.9%	117.3%	113.2%	109.4%	105.9%
	BRTF	154.4%	133.8%	129.3%	105.9%	136.7%	161.1%	155.3%	139.8%	125.3%	113.3%	120.7%	116.6%	112.8%	109.2%	105.9%
	LNDX	127.4%	128.6%	128.3%	111.4%	74.6%	111.3%	126.8%	131.6%	126.4%	118.6%	118.5%	115.8%	112.8%	109.6%	106.4%
	CRCA	158.4%	132.9%	126.0%	107.0%	162.1%	177.9%	159.8%	139.4%	121.9%	111.7%	120.0%	115.7%	111.8%	108.2%	105.2%
	CRCY	128.0%	114.4%	111.1%	109.1%	248.6%	175.4%	130.0%	114.2%	111.8%	114.9%	109.7%	108.5%	107.3%	105.8%	104.1%
Deep	TRIC	151.3%	138.0%	133.3%	110.3%	125.4%	141.9%	151.2%	144.3%	129.5%	118.3%	123.6%	119.2%	114.9%	110.8%	107.0%
	MTSX	92.3%	96.7%	97.5%	101.3%	70.2%	85.2%	92.0%	95.6%	98.3%	100.9%	97.7%	98.3%	98.9%	99.4%	99.7%
	NHSA	127.1%	125.7%	124.5%	108.3%	60.8%	105.8%	126.4%	129.0%	122.5%	115.3%	116.2%	113.7%	110.9%	108.2%	105.4%
	RBTA	170.4%	144.1%	135.1%	109.4%	144.9%	169.8%	170.9%	153.3%	129.5%	115.5%	126.5%	120.8%	115.6%	110.9%	106.9%
	RBTS	92.8%	111.3%	115.7%	110.8%	27.0%	73.5%	91.6%	109.2%	117.1%	117.4%	105.9%	106.4%	106.2%	105.4%	103.9%
	BRTA	148.1%	130.3%	125.8%	107.7%	130.9%	152.3%	148.8%	135.3%	122.8%	113.8%	118.8%	115.1%	111.7%	108.5%	105.4%
	BRTS	132.1%	126.4%	123.8%	109.1%	102.3%	125.8%	132.0%	129.1%	122.0%	115.5%	116.7%	113.9%	111.1%	108.2%	105.4%
AVERAGE		146.7%	129.9%	125.5%	108.9%	152.5%	158.9%	147.6%	134.2%	122.8%	115.1%	118.5%	115.0%	111.7%	108.5%	105.6%
MEDIAN		150.3%	132.1%	127.0%	109.1%	135.4%	152.3%	150.5%	135.3%	124.9%	115.3%	120.0%	115.8%	112.8%	109.2%	105.9%
MINIMUM		92.3%	96.7%	97.5%	101.3%	27.0%	73.5%	91.6%	95.6%	98.3%	100.9%	97.7%	98.3%	98.9%	99.4%	99.7%
MAXIMUM		234.4%	158.4%	142.9%	113.1%	393.6%	336.0%	239.7%	171.5%	138.6%	123.1%	134.5%	125.9%	118.7%	113.5%	108.7%

W.F. TUCKASEGEE R., BEL THORPE DAM If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **WINTER**

**Dec - March**

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	1	1	1		1	1	1	1	1	1	1	1			
	PLECO	1	1	1		1	1	1	1	1	1	1	1			
	NHSJ	1	1	1		1	1	1	1	1	1	1				
	RBTF	1	1	1		1	1	1	1	1	1					
	BNDJ	1	1	1		1	1	1	1	1	1					
	BNDF	1	1	1	1	1	1	1	1	1	1	1	1			
	BNDS	1	1	1	1	1	1	1	1	1	1	1	1	1		
	BRTJ	1	1	1		1	1	1	1	1	1	1				
	BRTF	1	1	1		1	1	1	1	1	1	1				
	LNDX	1	1	1		1	1	1	1	1	1	1	1			
	CRCA	1	1	1		1	1	1	1	1	1					
	CRCY	1	1	1		1	1	1	1	1	1					
Deep	TRIC	1	1	1		1	1	1	1	1	1	1	1			
	MTSX															
	NHSA	1	1	1			1	1	1	1	1					
	RBTA	1	1	1		1	1	1	1	1	1	1	1			
	RBTS		1	1					1	1	1					
	BRTA	1	1	1		1	1	1	1	1	1					
	BRTS	1	1	1		1	1	1	1	1	1	1				
Total out of 19		17	18	18	2	13	17	17	18	18	18	11	7	1	0	0
total > 1000 WUA		17	18	18	2	13	17	17	18	18	18	11	7	1	0	0
total < 1000 WUA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total out of 19		17	18	18	2	13	17	17	18	18	18	11	7	1	0	0
% for just this season		89.5%	94.7%	94.7%	10.5%	68.4%	89.5%	89.5%	94.7%	94.7%	94.7%	57.9%	36.8%	5.3%	0.0%	0.0%
% weighted equally for each season		22.4%	23.7%	23.7%	2.6%	17.1%	22.4%	22.4%	23.7%	23.7%	23.7%	14.5%	9.2%	1.3%	0.0%	0.0%
% > 1000 WUA		22.4%	23.7%	23.7%	2.6%	17.1%	22.4%	22.4%	23.7%	23.7%	23.7%	14.5%	9.2%	1.3%	0.0%	0.0%
% < 1000 WUA		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
7183
3693
2030
1666
4246
2436
1437
6136
2178
9025
2424
1359
8229
28516
1684
10769
2365
5430
3228



W.F. TUCKASEGEE R., BEL THORPE DAM Table shows percentage of unregulated Index B value achieved by flow scenario

Season **WINTER**

December - March

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	EPHEM	199.2%	141.3%	162.4%	114.6%	199.3%	213.1%	200.4%	178.7%	157.1%	140.0%	128.4%	122.6%	117.3%	112.4%	108.0%
	PLECO	197.2%	146.2%	171.3%	111.4%	136.3%	178.6%	197.0%	184.6%	166.2%	144.7%	130.9%	124.6%	118.8%	113.4%	108.4%
	NHSJ	170.3%	129.8%	147.3%	108.8%	106.7%	166.7%	170.6%	158.4%	143.4%	128.2%	120.9%	116.6%	112.5%	108.9%	105.6%
	RBTF	162.1%	126.9%	129.4%	115.7%	334.9%	236.9%	165.8%	131.9%	129.2%	126.9%	116.2%	113.6%	111.0%	108.4%	105.6%
	BNDJ	150.5%	125.6%	132.2%	113.8%	153.6%	165.2%	151.8%	137.1%	130.8%	125.3%	116.7%	113.7%	110.9%	108.1%	105.3%
	BNDF	189.6%	148.9%	158.1%	123.2%	317.7%	242.7%	192.0%	168.4%	156.2%	150.7%	129.9%	124.9%	120.0%	115.0%	110.1%
	BNDS	293.5%	146.8%	174.9%	127.3%	492.7%	420.6%	300.1%	214.7%	164.3%	142.6%	135.6%	127.1%	120.0%	114.2%	109.0%
	BRTJ	186.6%	131.0%	148.8%	113.0%	187.7%	208.9%	188.2%	163.5%	144.1%	129.4%	123.1%	118.3%	113.9%	109.9%	106.3%
	BRTF	172.6%	126.0%	144.4%	105.8%	152.8%	180.0%	173.6%	156.2%	140.0%	124.7%	120.2%	116.2%	112.5%	109.0%	105.7%
	LNDX	154.0%	142.2%	155.1%	119.1%	90.2%	134.6%	153.2%	159.1%	152.7%	141.8%	127.0%	122.2%	117.5%	112.9%	108.4%
	CRCA	178.3%	125.6%	141.8%	110.7%	182.4%	200.2%	179.8%	156.9%	137.2%	124.0%	119.3%	115.1%	111.3%	108.0%	105.0%
	CRCY	146.4%	129.1%	127.1%	115.0%	284.3%	200.6%	148.6%	130.5%	127.8%	131.9%	115.5%	113.3%	111.0%	108.5%	105.8%
Deep	TRIC	178.1%	138.3%	156.9%	113.4%	147.6%	167.0%	177.9%	169.8%	152.4%	137.2%	125.7%	120.4%	115.6%	111.2%	107.1%
	MTSX	94.3%	103.0%	99.6%	104.7%	71.7%	87.1%	94.0%	97.7%	100.4%	103.6%	101.1%	101.3%	101.4%	101.3%	101.0%
	NHSA	144.2%	129.6%	141.3%	109.6%	69.0%	120.0%	143.4%	146.4%	139.0%	129.5%	118.8%	115.3%	112.0%	108.8%	105.7%
	RBTA	199.5%	135.6%	158.2%	113.5%	169.7%	198.8%	200.1%	179.5%	151.6%	132.9%	126.0%	120.2%	115.2%	110.8%	106.9%
	RBTS	107.0%	132.5%	133.3%	114.2%	31.1%	84.7%	105.6%	125.9%	135.0%	135.3%	115.3%	113.7%	111.5%	109.0%	106.3%
	BRTA	168.2%	128.6%	142.9%	110.4%	148.7%	173.0%	169.0%	153.6%	139.4%	127.7%	120.0%	116.0%	112.3%	108.9%	105.7%
	BRTS	153.2%	133.0%	143.6%	113.8%	118.6%	145.9%	153.1%	149.8%	141.6%	132.8%	121.2%	117.3%	113.7%	110.1%	106.6%
AVERAGE		170.8%	132.6%	145.7%	113.6%	178.7%	185.5%	171.8%	155.9%	142.5%	132.1%	121.7%	117.5%	113.6%	109.9%	106.5%
MEDIAN		170.3%	131.0%	144.4%	113.5%	152.8%	178.6%	170.6%	156.9%	141.6%	131.9%	120.9%	116.6%	112.5%	109.0%	106.3%
MINIMUM		94.3%	103.0%	99.6%	104.7%	31.1%	84.7%	94.0%	97.7%	100.4%	103.6%	101.1%	101.3%	101.4%	101.3%	101.0%
MAXIMUM		293.5%	148.9%	174.9%	127.3%	492.7%	420.6%	300.1%	214.7%	166.2%	150.7%	135.6%	127.1%	120.0%	115.0%	110.1%